

RAIN GARDEN LEGEND

1. rainwater is harvested from the roofs of surrounding buildings
2. rain heads to prevent debris & pests from entering the plumbing
3. grated drain below down pipe for visual inspection
4. 'T' piece inlet in stormwater pit with connection to slotted pipe under drainage along full length of rain garden
5. underground waterproof membrane to store water in rain garden. nutrients in water utilised by wetland plantings
6. set grated outlet height to allow excess water to bypass the rain garden with water discharging into the existing stormwater system

DESIGN INTENT

An exposed area between two classrooms will be transformed into a shaded space with the plantings sustained by redirecting the roof runoff from two near-by buildings. This simple 'rain garden' will reduce stormwater runoff and improve its quality, whilst creating a comfortable gathering area for play or classes.

A. rain garden depression to store & treat rainwater from surrounding buildings. planted with dense wetland plantings



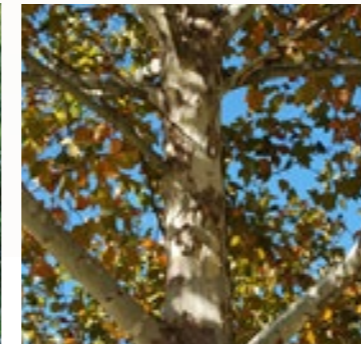
B. native wetland trees to provide shade, to east & west elevations of class rooms



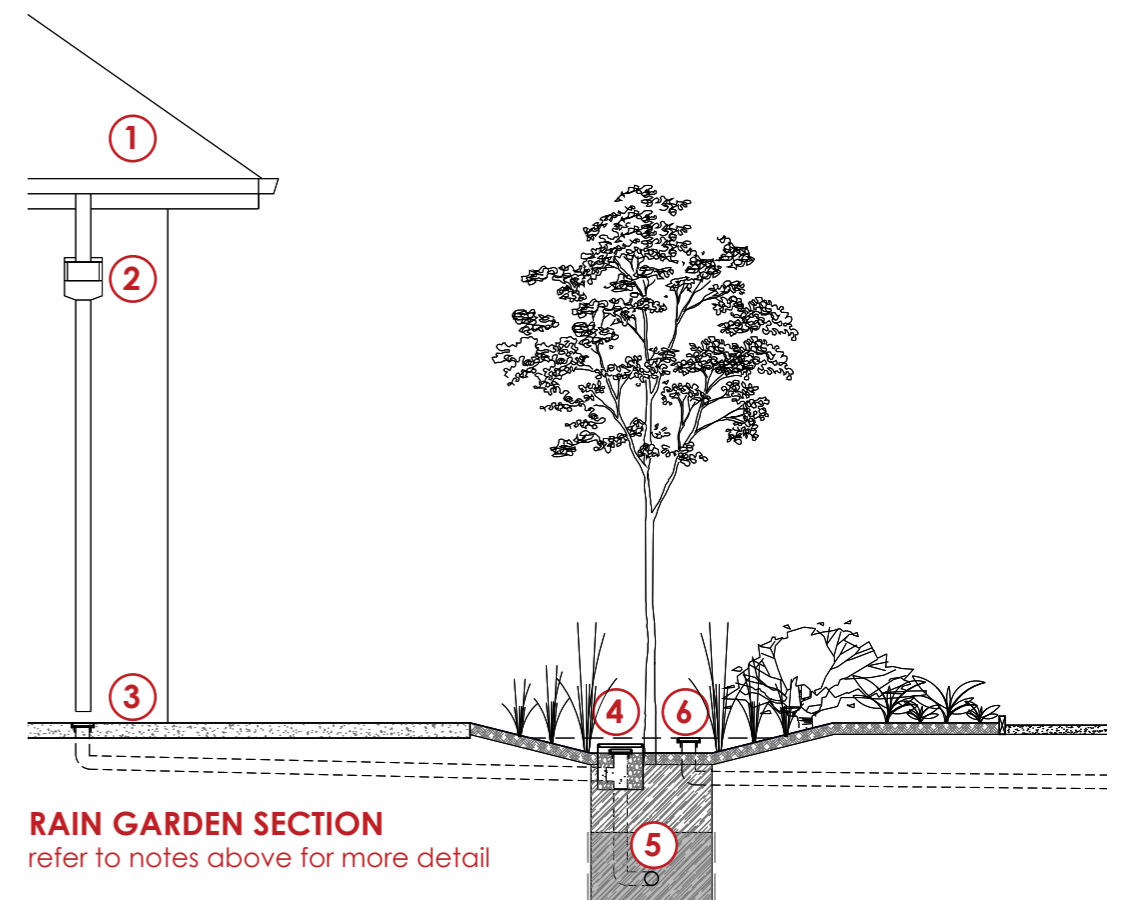
C. drought tolerant native vegetation plantings outside of the rain garden



D. deciduous tree to provide shade



E. additional outdoor seating provided under central shade tree



DEER PARK NORTH PRIMARY SCHOOL

RAIN GARDEN

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SCALE 1:100 @ A3



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